查询CMR1U-01供应商

CMR1U-01
CMR1U-02
CMR1U-04
CMR1U-06
NEW! **CMR1U-10**
ULTRA FAST RECOVERY RECTIFIER
1.0 AMP, 100 THRU 1000 VOLTS

SMB CASE

Central™
Semiconductor Corp.

FEATURES:

- LOW COST
- SPECIAL SELECTIONS AVAILABLE
- HIGH RELIABILITY
- SUPERIOR LOT TO LOT CONSISTENCY
- GLASS PASSIVATED CHIP
- "C" BEND CONSTRUCTION PROVIDES STRAIN RELIEF WHEN MOUNTED ON PC BOARD

DESCRIPTION:

The CENTRAL SEMICONDUCTOR 1.0 Amp Surface Mount Silicon Ultra Fast Recovery Rectifier is a high quality, well constructed, highly reliable component designed for use in all types of commercial, industrial, entertainment, computer, and automotive applications. To order devices on 12mm Tape and Reel (3000/13" Reel), add TR13 suffix to part number.

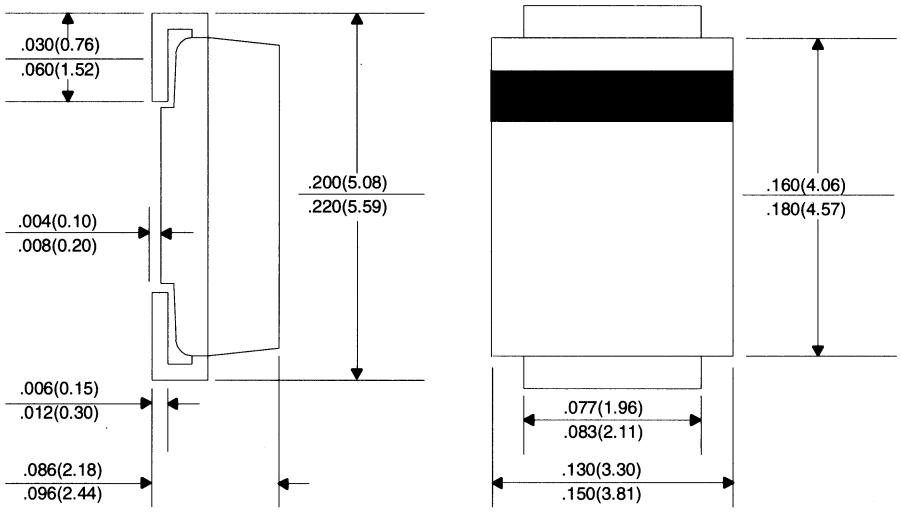
MAXIMUM RATINGS: (T_A=25°C unless otherwise noted)

	SYMBOL	CMR1U-01	CMR1U-02	CMR1U-04	CMR1U-06	CMR1U-10	UNITS
Peak Repetitive Reverse Voltage	V_{RRM}	100	200	400	600	1000	V
DC Blocking Voltage	V_R	100	200	400	600	1000	V
RMS Reverse Voltage	$V_{R(RMS)}$	70	140	280	420	700	V
Average Forward Current(T_A=75°C)	I_O			1.0			A
Peak Forward Surge Current (8.3ms)	I_{FSM}			30			A
Operating and Storage Junction Temperature	T_J,T_{stg}			-65 to +175			°C
Thermal Resistance	Θ_{JL}			20			°C/W

ELECTRICAL CHARACTERISTICS: (T_A=25°C unless otherwise noted)

SYMBOL	TEST CONDITIONS	MIN	MAX	UNITS
I_R	V_R=Rated V_{RRM}		5.0	μA
I_R	V_R=Rated V_{RRM}, T_A=125°C		100	μA
V_F	I_F=1.0A, (CMR1U-01, CMR1U-02)		1.00	V
V_F	I_F=1.0A, (CMR1U-04)		1.25	V
V_F	I_F=1.0A, (CMR1U-06)		1.40	V
V_F	I_F=1.0A, (CMR1U-10)		1.70	V
t_{rr}	I_F=0.5A, IR=1.0A, Recover to 0.25A (CMR1U-01, -02, -04)		50	ns
t_{rr}	I_F=0.5A, IR=1.0A, Recover to 0.25A (CMR1U-06, -10)		100	ns

All dimensions in inches (mm).



Marking Codes:

DEVICE	MARKING CODE
CMR1U-01	CU01
CMR1U-02	CU02
CMR1U-04	CU04
CMR1U-06	CU06
CMR1U-10	CU10

DATA SHEET

R1